

# [Cobalt Silicidation Process for Substrates Comprised with a Silicon – Germanium Layer

## Abstract

A method comprises providing a semiconductor alloy layer on a semiconductor substrate, forming a gate structure on the semiconductor alloy layer, forming source and drain regions in the semiconductor substrate on both sides of the gate structure, removing at least a portion of the semiconductor alloy layer overlying the source and drain regions, and forming a metal silicide region over the source and drain regions.